PHILIP MORRIS USA

RESEARCH AND DEVELOPMENT DEPARTMENT

DOMINICAN REPUBLIC TEST #77

MR4-05SB
MC6-05SB

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Source: https://www.industrydocuments.ucsf.edu/docs/qsvy0004

DOMINICAN REPUBLIC TEST #77

The following cigarette brands from the Dominican Republic (Santiago) were received at R & D and submitted for analyses on December 29, 1975. These cigarettes were of November, 1975 production.

Marlboro Long Size 20's (Box)
Montecarlo King Size 20's (Soft Pack)

The Marlboro long size cigarettes were different from the previous average in tar, TPM, tobacco weight and rod density.

The Montecarlo king size cigarettes were different from the previous average in the following characteristics: tar, TPM, nicotine, puff count, filtration efficiency, total alkaloids, tobacco weight and rod density.

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DOMINICAN REPUBLIC TEST #77

	Marlboro Long Size 20's (Box)			Montecarlo King Size 20's (Soft Pack)	
	Current	Prev. Avg.	U.S.[2]	Current	Prev. Avg.
Smoke					
Butt Length, mm	25	25	26	24	24
FTC Tar, mg/cigt.	16.3	18.0	17.2	27.6	25.7[3]
TPM, mg/cigt.	20.8	22.5	21.5	34.6	31.8[3]
Nicotine, mg/cigt.	1.19	1.19	1.01	2.26	1.70[3]
Water, mg/cigt.	3.3	3.3	3.3	4.7	4.4
Puffs/cigt.	8.9	9.1	8.3	11.8	10.5[3]
Filtration Eff., %	40	43	47	27	33
Cigarette					
Total RTD, in. of H_2O	4.1	3.8	4.5	3.4	3.4
mm of H_2O	104	97	114	86	86
Static Burn. Time, min.	8.5	8.0	7.5	9.3	9.2
Length, mm	79.4	79.1	79.5	84.8	84.8
Circumference, mm	25.2	25.4	25.0	25.3	25.0
Diameter, mm	8.0	8.1	8.0	8.1	8.0
Paper					
Porosity, sec.	19	22	19	15	19
Filter					
RTD, in. of H_2O	2.6	2.4	2.8	1.4	1.5
mm of H_2O	66	61	71	36	38
Inner, in. of H_2O	-	-	-	0.8	0.9
mm of H_2O	-	-	-	20	23
Outer, in. of H_2O	-	-	-	0.6	0.6
mm of H_2O	-	-	-	15	15
Length, mm	18.3	18.1	19.0	17.4	17.3
Inner	-	-	-	8.6	8.7
Outer	-	-	-	8.8	8.6
Weight, g	0.13	0.13	0.14	0.14	0.14
Inner	-	-	-	0.09	0.09
Outer	-	-	-	0.05	0.05
Carbon, mg/plug	-	-	-	31	33
Filler					
Total alkaloids, %	1.55	1.54	1.54	1.78	1.53[3]
Total reducing sugars, %	5.2	6.2	7.2	7.3	7.0
Wt. of tob., 1,000 cigts., g	780	844	730	906	810
1,000 cigts., lbs.	1.7176	1.8584[4]	1.6076	1.9948	1.7836[3]
Rod Density, g/cc	0.253	0.271[4]	0.244	0.264	0.240[3]
[1]C.V., cc/10 g	37	35	36	40	40
C.V., cc/10 g (Corrected to 12% O.V.)	37	37	41	37	38
[1]Oven Volatiles, %	12.0	12.6	13.6	10.8	11.4

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[1]Equilibrated at 75°F and 60% R.H. for 48 hrs.
[2]Data from C.I. No. 12-75.
[3]Results of Test #75, dated October 28, 1975, where a change was noted.
[4]Results of Test #76, dated December 23, 1975, where a change was noted.

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